

## Claims

What is claimed is:

- [c1] A mechanism for controlling access to workspaces, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository; and  
a server having at least one server object which implements the interface.
- [c2] The mechanism of claim 1, wherein the workspaces comprise files stored under a version control abstraction.
- [c3] The mechanism of claim 1, further comprising a servlet which parses requests sent to the server and delegates processing of the requests to the server object.
- [c4] The mechanism of claim 1, wherein the server communicates using HTTP protocol.
- [c5] The mechanism of claim 1, wherein the server communicates using HTTPS protocol.
- [c6] A system for accessing workspaces, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository;  
a server having at least one server object which implements the interface; and  
at least one servlet which parses requests sent to the server and delegates processing of the request to the server object.
- [c7] The system of claim 6, further comprising a container which provides runtime support for the servlet.
- [c8] The system of claim 7, wherein the container is built into a web server.
- [c9] The system of claim 7, wherein the container is connected to a web server.

- [c10] A system for remotely accessing workspaces in a network, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository;  
a server having at least one server object which implements the interface; and  
a proxy object that can be called to forward a request for a method of the server object to  
the server.
- [c11] The system of claim 10, wherein the proxy object implements the interface.
- [c12] The system of claim 10, further comprising a servlet which receives the request and  
delegates processing of the request to the server object.
- [c13] The system of claim 12, further comprising a container which provides runtime support  
for the servlet.
- [c14] The system of claim 13, wherein the container is built into a web server.
- [c15] The system of claim 13, wherein the container is connected to a web server.
- [c16] The system of claim 12, wherein the request is forwarded to the server using HTTP  
protocol.
- [c17] The system of claim 12, wherein the request is forwarded to the server using HTTPS  
protocol.
- [c18] The system of claim 10, wherein the workspaces comprise files stored under a version  
control abstraction.

- [c19] A system for remotely accessing workspaces in a network, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository;  
a server having at least one server object which implements the interface;  
a proxy object that can be called to forward a request for a method of the server object to  
the server; and  
a client that calls a method of the proxy object.
- [c20] The system of claim 19, wherein the proxy object implements the interface.
- [c21] The system of claim 19, further comprising a servlet which receives the request and  
delegates processing of the request to the server object.
- [c22] The system of claim 21, wherein the request is transmitted to the servlet over a HTTP  
connection.
- [c23] The system of claim 21, wherein the request is transmitted to the servlet over a HTTPS  
connection.
- [c24] The system of claim 19, wherein the workspaces comprise files stored under a version  
control abstraction.
- [c25] A system for remotely accessing workspaces in a client-server network, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository;  
a server having at least one server object which implements the interface;  
a proxy object that can be called to forward a request for a method of the server object to  
the server; and  
a servlet which parses the request and delegates processing of the request to the server  
object.
- [c26] The system of claim 25, further comprising a container which provides runtime support  
for the servlet.

- [c27] The system of claim 26, wherein the request is forwarded to the server using HTTP protocol.
- [c28] The system of claim 26, wherein the request is forwarded to the server using HTTPS protocol.
- [c29] The system of claim 25, wherein the proxy object implements the interface.
- [c30] The system of claim 25, wherein the workspaces comprise files stored under a version control abstraction.
- [c31] A method for executing transactions in a network having a client-side and a server-side, comprising:  
calling a method of a client-side proxy object that implements an interface having a set of methods that can be invoked to access a repository of workspaces; and  
transmitting the method call to a server-side object which processes the method call and returns the result to the client-side proxy object.
- [c32] The method of claim 31, wherein transmitting the method call to the server-side object comprises translating the method call into a client request.
- [c33] The method of claim 31, wherein transmitting the method call to the server-side object further includes transmitting the client request to a server.
- [c34] The method of claim 33, wherein transmitting the client request to the server is based on HTTP protocol.
- [c35] The method of claim 33, wherein transmitting the client request to the server is based on HTTPS protocol.
- [c36] The method of claim 33, further comprising invoking a servlet to generate a response for the client request.
- [c37] The method of claim 36, wherein the servlet delegates processing of the client request to the server-side object.

- [c38] The method of claim 31, wherein a method of the client-side proxy object is called as a result of executing a command on the client-side.
- [c39] A system for remotely accessing workspaces in a network, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository;  
a server having at least one server object which implements the interface; and  
a mechanism for remotely invoking a method of the server object.
- [c40] The system of claim 39, wherein the mechanism comprises a stub which acts as a proxy for the server object and a skeleton that invokes the method on the server object.
- [c41] A system for remotely accessing workspaces in a network, comprising:  
a repository for storing the workspaces;  
an interface having a set of methods that can be invoked to access the repository;  
a first server that provides management functions for the repository; and  
a second server having at least one server object that implements the interface and that interacts with the first server to access the repository.
- [c42] The system of claim 41, further comprising a client that sends messages to and receives responses from the second server.
- [c43] The system of claim 42, further comprising a mechanism for remotely invoking a method of the server object.
- [c44] The system of claim 41, wherein the first server comprises at least one object which implements the interface.